Unit Summary

	Properties of Objects and Materials (Lessons 1–2)	Properties of Solids, Liquids, and Gases (Lessons 3-5)	Changes (Lesson 6)
Overview	Children describe the properties of everyday objects using their senses and measurement tools. They consider what materials various things are made of, and why.	Children identify items around them as solids, liquids, gases or mixtures. They compare and contrast different liquids and different solids.	Children predict and observe what happens to water when they freeze it, ice when they melt it, and the water level in a cup left uncovered for several days.
Science Content	• Objects have many properties that we can observe directly and with tools. • Materials have properties that make them useful. • Objects are made of many materials.	• We classify objects as solid, liquid, or gas based on their properties.	• Water can change from a liquid to a solid, and back to a liquid. • Water "disappears" from an uncovered cup, becoming a gas.
Science Center	• Continue to investigate properties of materials with a class set of objects. • Practice weighing with a scale and measuring with a ruler.	• Continue to explore bags with solid, liquid, and air samples. • Pour water into and between a collection of containers. • Make a poster about solids, liquids, and gases.	• Look at books and magazines with materials as both solids and liquids.
Family Links	• Identify tools at home that measure the properties of weight, size, and temperature. • Choose an object at home and identify the materials in the object and the properties of those materials.	• Look for solids, liquids and gases at home. • Identify containers that work well for liquids and containers that work poorly.	
Further Science Explorations	• Sort objects using their properties. • Put materials in water and observe the different things that happen.	• Conduct explorations with air. • Identify natural objects and manufactured objects. • Mix liquids. • Explore liquids and gases in balloons. • Compare samples of different gases. • Mix and separate solids. • Mix solids and liquids.	• Find out if the weight of water changes when it freezes and melts. • Watch water pictures disappear.
Cross-Curricular Extensions	**Technology:** Explore how things are made of parts. **Art:** Create scrap art.	**Mathematics:** Measure volume. **Art:** Draw liquids. Draw changed objects.	